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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/748,974	12/29/2003	Theodis Johnson	H0006157--1622	8826
128	7590	01/22/2009		
HONEYWELL INTERNATIONAL INC. 101 COLUMBIA ROAD P O BOX 2245 MORRISTOWN, NJ 07962-2245			EXAMINER	
			ROJAS, BERNARD	
			ART UNIT	PAPER NUMBER
			2832	
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			01/22/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/748,974	Applicant(s) JOHNSON ET AL.
	Examiner BERNARD ROJAS	Art Unit 2832

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If no period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 22 August 2008.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-20 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) 1-6 and 17-20 is/are allowed.

6) Claim(s) 7,8 and 10-16 is/are rejected.

7) Claim(s) 9 is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO/136/08)
 Paper No(s)/Mail Date _____

4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date _____

5) Notice of Informal Patent Application

6) Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 7, 8, 10 and 12-16 are rejected under 35 U.S.C. 102(e) as being anticipated by Osterberg [US 7,013,057].

Claim 7, Osterberg discloses a system [100] for moving a shuttle [102] between spaced-apart, first and second opposed bi-stable positions [col. 2 lines 60-66], an optical filter [106] carried by the shuttle, the optical filter residing within an optical path when the shuttle is in the first bi-stable position and outside of the optical path when the shuttle is in the second bi-stable position [col. 3 lines 49-61]; one or more sensors [Osterberg discloses that the shuttle can be controlled using position sensors, col. 6 lines 55-58] for determining whether the shuttle is in the first or second bi-stable position; an assembly [108] for providing an attractive magnetic force thereby forming a magnetic latch that releasably holds the shuttle in either the, first or second bi-stable position [col. 3 lines 49-61]; a first coil magnetically coupled to a portion of the assembly [col. 3 lines 41-44, col. 6 lines 11-15 and 42-44], wherein when the coil is provided with a sufficient current pulse, it generates a magnetic field that temporarily overcomes the attractive magnetic force forming the magnetic latch, thereby causing the magnetic latch to release [col. 6 lines 44-50]; a controller [col. 6 lines 56-58] electrically coupled to the

one or more position sensors and to the first coil and having an external input, wherein the controller receives shuttle position data from the one or more sensors and a position change command via the external input, then if the commanded position is different than the current shuttle position, the controller supplies the sufficient current pulse to the first coil thereby causing the magnetic latch to release so that the shuttle transits to the opposite bi-stable position [operation of rotating the armature, col. 3 lines 49-61].

Claim 8, Osterberg discloses the system of claim 7 further comprising; a low friction guide-way [104, flex pivots, bearings or flexural elements, col. 3 lines 22-26] supporting the shuttle [102]; a base [figure 1, the substrate 104 is attached to] supporting the guide-way; and one or more springs [105] coupled between the shuttle and the base [figure 1], adapted to store energy when the shuttle is in the first or second bi-stable position [col. 3 lines 28-37]. It has been held that the recitation that the element is "adapted to" perform a function is not a positive limitation but only requires the ability to so perform. It does not constitute a limitation in any patentable sense. *In re Hutchinson*, 69 USPQ 1338.

Claims 10, 12-16 are inherent in the product structure as described for claims 7 and 8 previously.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Osterberg [US 7,013,057] in view of Bomya [US 6,586,926].

Claim 11, Osterberg [US 7,013,057].discloses the claimed invention with the exception of using a sensor to monitor the health of the coil(s).

Bomya teaches using a sensor [10] to monitor the health of a coil [43, 54] in order to detect shorts or open conditions [col. 9 lines 47-55].

It would have been obvious to one of ordinary skill in the art at the time the invention was made to use a sensor to test the coil(s) of Miller as shown by Bomya in order to ensure the proper operation of the device by testing the health of the coil in order to prevent malfunctions caused by an electrical short or an open condition.

Allowable Subject Matter

Claim 9 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 1-6 and 17-20 are allowed.

The following is a statement of reasons for the indication of allowable subject matter: the prior art of record does not teach nor suggest, in the claimed combination, a rapid insertion assembly with the claimed magnetic drive/latch configuration.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BERNARD ROJAS whose telephone number is (571)272-1998. The examiner can normally be reached on M and W-F, 10:00-7:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin G. Enad can be reached on (571) 272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Elvin G Enad/
Supervisory Patent Examiner, Art Unit 2832

Br
/Bernard Rojas/
Examiner, Art Unit 2832